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CLAIMS

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1. Method for manufacturing a personal protection device for protecting a part of a body of a user, characterized in that it comprises the steps of:

- providing an image of the shape of the body part to be protected,
- 5 based on the image of the body part, milling out a model of the body part,
 - providing at least one blank with a curved inner surface, the surface form being adapted to the outer surface of the model, and
 - cutting and/or finishing the edge of the blank(s) to obtain the desired shape.
- 2. Method according to claim 1, characterized in that the image is acquired by means transferring a number of cameras surrounding the body part along the full length of the body part.
 - 3. Method according to claim 2, c h a r a c't e r i z e d i n that the cameras are arranged in a substantially circular pattern.
 - 4. Method according to claim 1, characterized in that the blank is made of a thermoplastic material.
 - 5. Method according to any preceding claim, characterized in that the blank is made of a carbon composite material.
 - 6. Method according to any preceding claim, characterized in that it further comprises:
- 20 providing the shaped blank(s) with fixing devices.
 - 7. Method according to claim 6, characterized in that that the fixing devices are Velcro fasteners.
 - 8. Method according to any preceding claim, characterized in that the blank is formed by thermoforming a sheet of a thermoplastic material.
- 9. Method according to any preceding claim, characterized in that there is provided at least two blanks which in combination covers substantially all of the body part to be protected.
 - 10. Method according to any preceding claim, characterized in that the adjacent edges of the blanks have complementary forms.

- 11. Method according to any preceding claim, characterized in that the blank(s) when assembled form a tubular device.
- 12. Method according to any preceding claim, characterized in that it further comprises:
- 5 providing the blank with padding.
 - 13. Method according to any preceding claim, characterized in that the blanks are covered by a upholstery.
 - 14. Method according to any preceding claim, characterized in that the blank(s) at the inside is covered by a temperature transporting material.
- 15. Method according to any preceding claim, c h a r a c t e r i z e d i n that the blank(s) at the outside is covered by a flexible, shock absorbing material.
 - 16. Method according any preceding claim, characterized in that the body part to be protected is the leg below the knee.
- 17. Personal protection device for protecting a part of a body of a user comprising at least two elements and fixing members for connecting the elements, c h a r a c t e r i z e d i n that the elements have a curved inner surface, the curved surface being form-fitted to the
 - shape of the body part to be protected by means of fitting to the outer surface of a model of the body part, the model being formed based on an image of the user's
- body part.
 - 18. Personal protection device according to claim 17 characterized in that the fixing members are Velcro fasteners.
 - 19. Personal protection device according to claim 17 characterized in that the body part to be protected is the leg below the knee.
- 20. Personal protection device according to claim 17 c h a r a c t e r i z e d i n that the adjacent edges of the elements have complementary forms to provide a tubular shape of the device.
 - 21. Personal protection device according to claim 17, characterized in that it further comprises:
- 30 providing the elements with padding.

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22. Personal protection device according to any preceding claim, c h a r a c t e r i z e d i n that the elements are covered by a upholstery.

- 23. Personal protection device according to claim 17, characterized in that the element(s) at the inside is covered by a temperature transporting material.
- 5 24. Personal protection device according to claim 17, characterized in that the element(s) at the outside is covered by a flexible, shock absorbing material.
 - 25. Personal protection device according to claim 17, characterized in that the fixing members are made of a semi-rigid material.